

# Tricia L. Holman

Full portfolio: <https://stormy9.github.io/stormcloud.enterprises@gmail.com> -- 971-264-3643

## Education

### Western Oregon University

Applied Baccalaureate of Science,  
Computer Science

*Cum Laude*

2017 ↔ 2020      GPA==3.59

2018\19: Edward B. Wright  
Computer Science Scholarship

### Chemeketa Community College

Associate of Science,  
Computer Systems &  
Information Technology

*Magna Cum Laude*

2015 ↔ 2017      GPA==3.87

## WOU Senior Project

### Software Engineering I + II + III

Senior Sequence \ Team Nerdvana \ Capstone Project

**Petopia:** <http://petopia.azurewebsites.net/>

A Pet Care web application for Pet Owners to find Pet Care Providers, and for people to earn income by registering as a Pet Care Provider.

**Features:** User registration & login ... role selection ... profile creation for Pet Owners, Pets, & Care Providers (including photos) ... Pet Care Appointment transaction system (book\request, confirm\decline, reschedule, cancel) with email confirmations and on-site notifications for both parties ... Pet Owner↔Care Provider rate & comment ... Pet Badges ... proximity finder ... payment processing API... security checks so only the right people can access certain pages... input validations.

Developed algorithm combining proximity + rating + badges to calculate a user score and then recommend Pet Care Providers to Pet Owners.

Followed Disciplined Agile Delivery practices for Inception and Construction ... developed User Stories & tasks ... employed Pivotal Tracker to plan\track sprints ... used Git(Hub) for version control & team collaboration.

## Languages + Frameworks:

→ C# + LINQ + Razor

→ ASP.NET \ MVC5

→ Entity \ Identity

Frameworks

→ HTML5 + CSS3 + the DOM

→ Bootstrap

→ JavaScript / jQuery

→ AJAX + RESTful API's

→ PHP

→ Java

→ Python + pipenv

→ Flask

→ Visual Basic

→ XML + JSON & YAML

→ Markdown

## Other projects from college career:

### Database Management

**Term project:** designed & developed relational database for fictional "Happy Tails Dog Walkers", using MS Access with DDL/SQL... consisted of multiple tables, forms, queries, and reports – plus a user interface and all documentation, user guide, and ERDs. (*project=100% – class=98.7%*)

### Systems Analysis

**Term project:** developed & documented plans, business rules, user stories, and diagrams\modeling to build Happy Tails into a web app... designed to augment & complement existing database to evolve Happy Tails into a responsive, functional, intuitive, user-friendly web presence. (*project=100% – class=99%*)

### Web Application Development

**Term project:** re-worked a (purposely) poorly designed\developed web app into a responsive, functional, attractive design... including database interaction with user registration\log-in and site security using SQL & PHP. (*project=100% – class=96.7%*)

### Computer Science II ~ Java

**Final project:** designed/coded a mini "shopping" app demonstrating GUI, file read/write, inheritance & polymorphism, try/catch blocks & exception

- Haskell
- Database:
  - SQL\T-SQL + DDL
  - MySQL
  - mongoDB \ Firebase
  - Oracle APEX

## Other CS Tools + Experience:

- Git \ GitHub + bash
- MS-SQL Server
- pytest + coverage
- Redis + Celery
- nginx \ load balancing
- connexion + swagger
- Azure web apps + DB
- VirtualBox
- AWS VM
- PuTTY \ SSH
- Linux from CLI
- Postman \ cURL
- LINQ-Pad
- Pivotal Tracker
- Agile methodology

## Volunteering:

- American Cancer Society
  - ⇒ Driver for Road to Recovery program
- Marion-Polk Foodshare
  - ⇒ Meals-On-Wheels Driver

handling. Participated in paired programming throughout term. First experience with Java (skipped CS I). (*project=100% – class=97.6%*)

## Information Management

**Final [team] project:** collaboratively designed & developed relational database for a fictional wine collector from ground up; using Oracle APEX and writing DDL/SQL... comprising multiple tables, forms, queries, and reports – plus user interface; drafted all documentation, modeling\ERDs, and user guide. (*project=100% – class=97%*)

## Microservices Architecture

**Term project:** extracted activity logging as a microservice from a monolithic web app “Wolfit” (*developed just for our class*)... self-taught python on the fly... project included pytest+coverage, mongoDB (*cloud noSQL*), writing & calling RESTful APIs (*server & client-side*), load balancing with nginx, handling asynchronous calls with redis+celery, using connexion+swagger for API management... on AWS VM + Linux via Chromebook!  
(*project graded incrementally – class=92%*)

## Own/Operate Business

### Stormcloud Enterprises ~ Independent Contractor Mystery Shopping/Auditing ~ 10/2010 to 09/2015

- Completed 1600+ undercover and revealed audits at/for dozens of businesses in Northwest Oregon
- Memorized, and convincingly carried out, a variety of complex scenarios to accurately fulfill shop/audit requirements
- Through objective observation and interactions, evaluated and documented details of customer service, facilities, inventory, presentation, and promotional materials while remaining unnoticed.
- Produced professional, comprehensive reports per client specifications; prepared required documentation and evidence (including photos), in 12 to 24 hour turnaround timeframe.
- Set and managed work schedule; developed spreadsheet to track audits, clients, locations, dates/times, hours, mileage/drive-time, supplies, payments/reimbursements pending and received, tax data.
- My work consistently scored 9 to 10 out of 10 thus attaining preferred status for preferred assignments.

## Receptionist / Phone Operator Business Connections Answering Service Summer Job ~ April to September 2018

- While I took Discrete Math in a summer intensive at WOU!
- Answered 150(+/-) calls per 6-hour shift on weekdays... lower call volume Sundays but increased caller interaction\service
- Handled calls for healthcare; veterinarians; lawyers; residential & commercial services; non-emergency police calls; county\city public service lines, various professional services.